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(71)Applicant : MITSUBISHI CHEM IND LTD

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(54) PRODUCTION OF HIGH-GRADE CARBONACEOUS MOLDED BODY

(57)Abstract:

PURPOSE: To obtain the titled high-grade carbonaceous molded body with remarkably improved physical properties such as density, strength, electric conductivity, etc., by additionally incorporating a heat-treated material obtained from a carbonaceous substance and a bituminous material under specified conditions into a carbonaceous aggregate and a caking agent.

CONSTITUTION: A bituminous material (coal tar, soft pitch, etc.) contg. $\leq 15\text{wt}\%$ quinoline-insoluble component and $\leq 40\text{wt}\%$ toluene-insoluble component is mixed by 0.5W5pts.wt. into 1pts.wt. carbonaceous substance (scaly graphite, artificial graphite, etc.). The mixture is heated at $350\text{W}500^\circ\text{C}$ and agitated to obtain a heat-treated material contg. $\geq 70\text{wt}\%$ toluene-insoluble component. The heat-treated material is crushed to about ≤ 60 mesh and added to a carbonaceous aggregate (pitch coke, natural graphite, etc.) and/or a caking agent (binder pitch) to produce a high-grade carbonaceous molded body. At this time, the amt. of the heat-treated material to be added is regulated to $\leq 40\text{wt}\%$ based on the carbonaceous aggregate.

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